

Abstract of the Disclosure

A method for registering a home address of a mobile node with a home agent in a network. Instead of using the home address of the mobile node as the key element in  
5 identifying the mobile node, the home agent uses the network access identity of the mobile node included in a registration request sent by the mobile node to the home agent in the registration process. Upon receiving the registration request, the home agent authenticates the mobile node by selecting the appropriate security association based on the network access  
10 identity. In response, the home agent may send Authentication and Key material to the mobile node so as to allow the mobile node to further provide the home agent with a mobile node authentication for use in a challenge-response procedure.